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SHARP 21K-FG1RU OPERATION MANUAL

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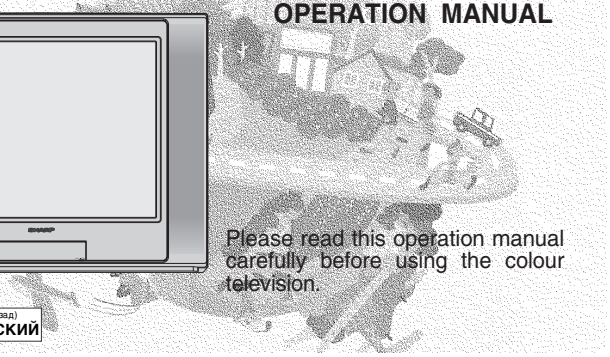
IARP®

COLOUR TELEVISION

21K-FG1RU

OPERATION MANUAL



Please read this operation manual carefully before using the colour television.

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СКИЙ

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a VCR

YBACK]
to a DVD

VD playback

ORIES]

MES]

phone
ntrol
atteries in the
trol unit

E6 [BASIC OPERATION]
- Turn on the power
- On-screen display language selection
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TINS-C068WJZZ
05P11-MSM

E1 SAFETY PRECAUTIONS

Damage

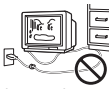
Turn off the power and unplug the power cord from the wall outlet immediately if the TV set begins to make any unusual noises or gives off smoke or an unusual smell. Then call your dealer for service.

Servicing

To reduce the risk of electric shock, do not remove the back of the cabinet. This TV set contains dangerous voltage.

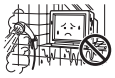
Unstable surface and shocks

Do not place this TV set on an unstable cart, stand, shelf, or table. The TV set may fall, causing serious injury to a child or adult, and serious damage to the set. Sharp recommends securing the TV set to a stable surface or wall to prevent the set from falling due to sudden shocks or impact.

Power-cord protection

To prevent electrical shock, do not subject the AC power cord to damage by bending or twisting it, or by placing heavy items on top of it and do not place the AC power cord under the TV set. If the AC power cord becomes damaged, unplug it from the wall outlet immediately and call your dealer for service.

Moisture

To prevent electrical shock, do not use the TV set in an excessively damp place.

Water

To prevent fire or electrical shock, do not place the TV set near a bathroom, swimming pool or other area where it may become wet.

Liquid entry

Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilt on the TV set can cause electrical shock or failure.

Object entry

Never insert or drop any metallic or inflammable objects into the ventilation openings of the TV set, as this can cause fire, electrical shock, or electrical failure.

TV Set position

Do place the TV set onto an even stand, table or rack which size is bigger than the TV set.
If the TV set is put onto a smaller size or uneven stand, table or rack may cause the TV cabinet to distort.
Do not put or insert anything between TV set and the stand, table or rack.

Uneven surface and excessive force

Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.

Ventilation

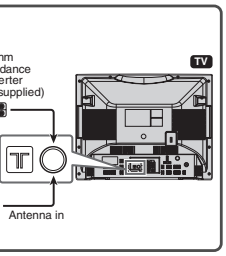
Do not place this TV set in a confined area, such as on a bookshelf or in a built-in case. Leave adequate space behind the TV for proper ventilation.

Fire prevention

To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

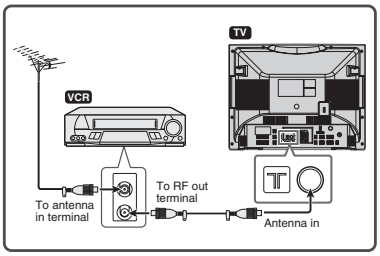
FORE OPERATING TELEVISION

an antenna



a uses a 75-ohm coaxial
DIN45325 plug (IEC 169-2),
a jack at the rear of the set.

Connecting to an antenna via a VCR

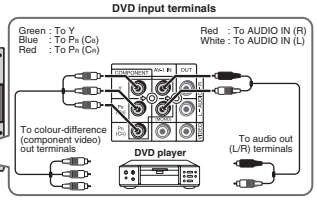


If your outdoor antenna uses a 300-ohm twin-lead flat feeder, connect a 300-ohm to 75-ohm impedance converter and plug it into the antenna jack at the rear of the set.

D PLAYBACK

to a DVD player

minals (COMPONENT-IN) on the rear of the TV can be used to input high-m a DVD player.



Connecting the video terminals

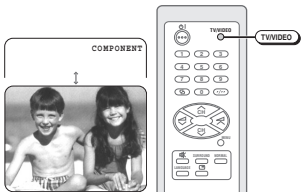
DVD input terminals		DVD player
COMPONENT-IN VIDEO	Y	Y or Y/Y
	PB(CB)	PB(CB) or B-Y/Pb
	PR(CR)	PR(CR) or R-Y/Pr

VD Playback

o select "COMPONENT", DVD

VD player and begin playback.

g the TV to a DVD player via the
N terminals, the video and audio from the
not be output through the Audio/Video
n the TV.

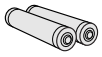


minal connection, set the TV to channel zero to make initial adjustments for the VCR.

E4 ACCESSORIES

The following accessories are included with this television.

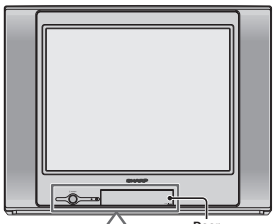
Remote Control


Size-AA batteries

Operation manual

E5 PART NAMES

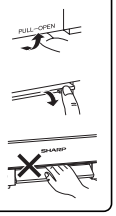
TV set



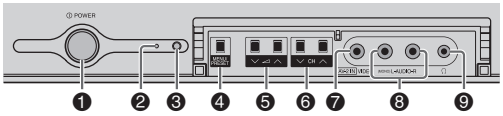
To open the door
Using the projection located under the "PULL-OPEN" indication, pull and lift the door open.

To close the door
Using the projection, lower the door until closed.

Caution:
- When opening or closing the door, do not insert your fingers into the gap between the door and front panel. This may result in an injury.



Bottom



❶ (POWER) **POWER switch**
Turns on and off the main power.

❷ **Power indicator**
Power can be turned on by the remote control when the indicator is dimly.

❸ **Infrared sensor window**
Receives the infrared wave from the remote control.

❹ (MENU/PRESET) **MENU/PRESET button**
Tunes the channels.
Used for MENU setup.

❺ (◁) / (▷) **Volume up/down buttons**
Adjusts the volume.
Makes adjustments in PRESET.

❻ (CH △) / (CH ▽) **Channel up/down buttons**
Selects the channels.
Tunes or sets the channels.

❼ **Video input terminal (AV-2 IN)**
Connects to a camcorder, video game, etc.

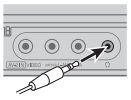
❽ **Audio input terminals (AV-2 IN)**
Connects to a camcorder, video game, etc.

❾ **Headphone jack**
Use to listen to the audio with headphone.

Using headphone

Insert headphone plug into headphone jack to listen to audio with headphone.
- The audio from the speakers is turned off.

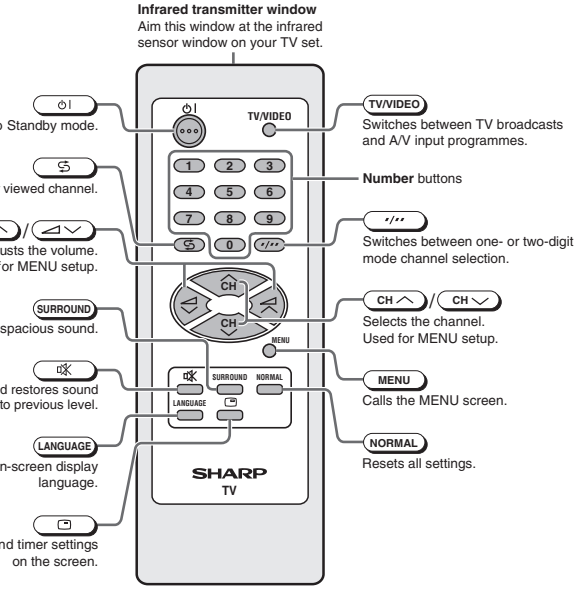
[Behind the door]



NOTE
- To avoid injuring your hearing, do not put on the headphone before plugging them into the headphone jack and before the power is turned on.

RT NAMES (Continued)

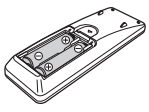
trol



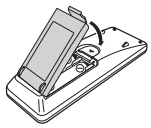
tteries in the remote control unit

mbnail, pull
o open the

b Insert two batteries (size AA).



c Replace the battery cover.

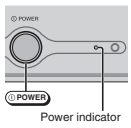


E6 BASIC OPERATION

Turn on the power

- When the power indicator is off, press (POWER).
- When the power indicator lights up dimly, press (⏻I) on the remote control. The power indicator changes to bright and a picture appears.

[TV Set (Bottom)]



On-screen display language selection

Remote Control

- Press (LANGUAGE) to select desired language.
- Pressing (LANGUAGE) changes the language as shown below.

ENGLISH ⟷ РУССКИЙ

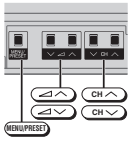
TV set

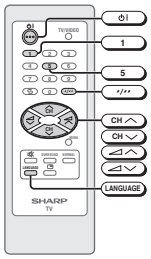
- Press (MENU/PRESET) for more than two seconds, the language select mode appears.
- Press (CH ∧) / (CH ∨) to select desired language.
- Pressing (MENU/PRESET) changes the screen as shown below.

Language ⟶ AUTO ⟶ MANUAL ⟶ Normal screen

- Press (MENU/PRESET) until normal screen appears.

[Behind the door]





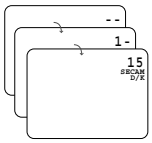
Channel selection

❶ Using (CH ∧) / (CH ∨)

- Press (CH ∧) and channels change as shown below.
  1 → 2 → ... → 98 → 99 → AV1 (or COMPONENT) → AV2 → 0 → 1 → 2 ...
- Press (CH ∨) and channels change as shown below.
  1 → 0 → AV2 → AV1 (or COMPONENT) → 99 → 98 → ... → 2 → 1 → 0 ...

❷ With the number buttons (on remote control)

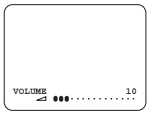
- To select a one-digit channel, such as 5, press (5). If "5-" is indicated, press (•/••) to select one-digit input, and then press (5) again.
- To select a two-digit channel, such as 15, press (•/••) to select the two-digit input. Press (1), and then press (5).



Adjusting volume

❶ Adjust volume using (◿ ∧) / (◿ ∨).

- The volume bar disappears approximately three seconds after the volume has been adjusted.



NOTE

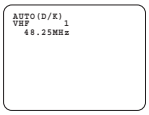
- When the power indicator lights up dimly, either (CH ∧) / (CH ∨) on the TV can be pressed to turn on the power.
- Channels that have been skipped cannot be selected by (CH ∧) / (CH ∨).
- The AV1 (or COMPONENT), AV2 input channels cannot be selected using (CH ∧) / (CH ∨) on the remote control. Use (TV/VIDEO) to select these channels.

ESETTING CHANNELS

l tuning

s in and presets receivable TV stations.

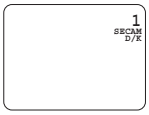
or more than two seconds.



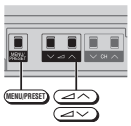
gain to display AUTO mode screen.

) changes the screen as shown below.

⟶ MANUAL ⟶ Normal screen



[Behind the door]



on TV set.

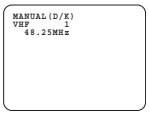
ns in your area that can be received by
utomatically preset between channels 1

ws whatever is on channel 1 when auto
s finished.

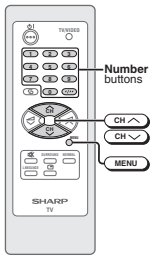
nel tuning

annel tuning to a desired TV station.

or more than two seconds.



wice to display MANUAL mode



) changes the screen as shown below.

⟶ MANUAL ⟶ Normal screen

or number buttons to
position.

on TV set to locate channel you wish to preset to current
on.

ed and when a TV signal is received during the search, the search stops.

3 and 4 above, to preset channel positions for other broadcasts.

again to display normal screen.

not have been set correctly, if noise can be heard or if there is no sound. In such case, adjust
using the MENU on the remote control.
all receivable channels including those which may be very weak and not clearly visible. To
nels designated for the local viewing region, use MANUAL PRESET.

E8 SETTING AND ADJUSTMENT

Channel setting

Enables individual channel setting.

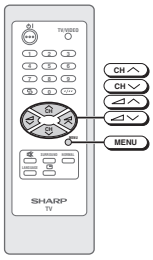
1 Press MENU to call MENU screen.

2 Press CH ^ / CH v to select "CH-SETTING".

3 Press ◿ / ◿ to display CH-SETTING menu.

4 Press CH ^ / CH v to select desired setting.

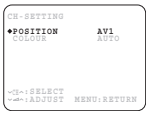
5 Each time you press ◿ / ◿, setting for individual items changes as follows:



- **POSITION**
  The channel position changes to the higher or lower number.
- **COLOUR**
  ↱ AUTO ⟷ PAL ⟷ SECAM ⟷ N443 ↰
- **SOUND**
  ↱ B/G ⟷ I ⟷ D/K ↰
- **SKIP**
  ON ⟷ OFF
  Channel numbers with a "✤" mark on the left are set to SKIP. To turn off SKIP, press the number buttons to select the desired channel and then set "SKIP" to "OFF".
- **FINE**
  The frequency changes to allow fine tuning.

6 Press MENU until normal screen appears.

- When you select AV1, AV2 for the channel position, the CH-SETTING menu changes as shown on the right and the colour mode changes in the following order:
  ↱ AUTO ⟷ PAL ⟷ SECAM ⟷ N443 ⟷ N358 ↰

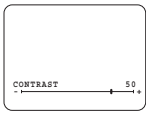


NOTE

- Switching COLOUR system:
  Set the system to "AUTO" for normal TV reception. The AUTO mode automatically detects the receiving signal system and changes the reception system of the TV set. When the picture is not stable, switching to an appropriate system may improve the picture quality.
- When using FINE, the channel number changes from green to yellow.

TTING AND ADJUSTMENT (Continued)

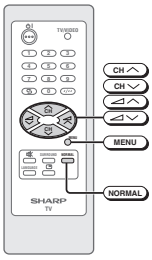
stment



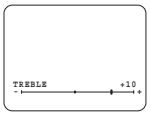
o call MENU screen.
(CH) to select "PICTURE".
(◿) to display PICTURE menu.
(CH) to select adjustment items.
(◿) / (◿) .
mately three seconds to return to PICTURE menu.
4 and 5 above to adjust other items.
until normal screen appears.
he adjustment items shown in the PICTURE menu and how they
(◿) / (◿).

(CH)		Press (◿)
ase contrast	-|---|+	To increase contrast
olour intensity	-|---|+	For more colour intensity
rightness	-|---|+	For more brightness
tint toward red	◆|---|+◇	To move tint toward green
harpness	-|---|+	For more sharpness
eddish nd	◆|---|+◇	To more bluish background

cted and adjusted when receiving NTSC broadcasts. (AV only)
be adjusted on PICTURE menu.



tment



o call MENU screen.
(CH) to select "SOUND".
(◿) to display SOUND menu.
(CH) to select adjustment items.
(◿) / (◿) .
mately three seconds to return to SOUND menu.
4 and 5 above to adjust other items.
until normal screen appears.
he adjustment items shown in the SOUND menu and how they
(◿) / (◿).

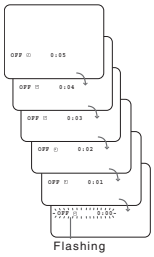
(CH)		Press (◿)
	ON ⟷ ON ⟷ OFF	
ase treble	-|---|+	To increase treble
ase bass	-|---|+	To increase bass
alance ft	▷|---|◁	To shift balance toward right

a PICTURE/SOUND selection is displayed, only the selected mode is reset to the standard
n.
a PICTURE/SOUND menu screen is displayed will reset all the item of PICTURE/SOUND
factory-setting) position.

E9 TIMER SETTING

Off timer

Automatically turns power off after a set length of time has passed.

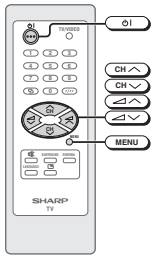


Flashing

1. **Press (MENU) to call MENU screen.**
2. **Press (CH) / (CH) to select "TIMER".**
3. **Press (◿) / (◿) to display TIMER menu.**
4. **Press (CH) / (CH) to select "OFF ⏎".**
5. **Press (◿) / (◿) to set time for TV to turn off.**
   - Maximum time that can be preset is 12 hours and 50 minutes. Timer start to count down after setting.
6. **Press (MENU) until normal screen appears.**
   - Five minutes before the preset length of time expires, the remaining time appears on the screen.
   - A flashing display of the remaining time appears during the last few seconds. When the preset length of time has passed, the TV set enters the Standby mode.

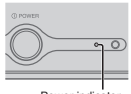
On timer

Automatically turns power on after a set length of time has passed.



1. **Repeat step 1 to 3 of OFF TIMER.**
2. **Press (CH) / (CH) to select "ON ⏎".**
3. **Press (◿) / (◿) to set time for TV to turn on.**
   - Maximum time that can be preset is 12 hours and 50 minutes. Timer start to count down after setting.
4. **Press (CH) / (CH) to select "POSITION".**
5. **Press (◿) / (◿) to set the channel.**
6. **Repeat step 4 to 5 above to select and set the "VOLUME".**
7. **Press (MENU) until normal screen appears.**
8. **Press (⏻I) to put TV set into Standby mode.**
   - Power indicator will flash to indicate On Timer is set.
   - When the preset length of time setting has passed, the power turns on and a picture appears on the screen.
   - The ON TIMER speaker volume gradually increases from zero to preset volume.

[TV Set (Bottom)]



Power indicator (Flashing)

NOTE

- The Off timer is cancelled if the power is turned off or set to the Standby mode using (⏻I) on the remote control or (POWER) on the TV set, or if the power is otherwise interrupted.
- The On Timer is cancelled if the power is turned off using (POWER).
- If the TV set is turned on by the On Timer, then the TV set will be automatically turned off in two hours if no buttons are pressed on the TV set or remote control.

MER SETTING (Continued)

n-screen timer

en a preset length of time has passed by displaying a countdown timer on useful for timer cooking while you watch TV.

to 3 of OFF TIMER.

CH ⌵ to select "⧖".

◿⌵ to set time.

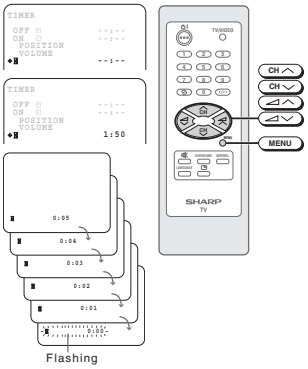
hat can be preset is 12 hours and 50

ble shows that the Reminder will be one hour and 50 minutes.

until normal screen appears.

fore the preset length of time expires (in ter one hour and 45 minutes) and each er, the remaining time appears on the ral seconds.

t length of time has passed, "⧖ 0:00"



ATURES

s the screen blue if a broadcast signal is not received.

o call MENU screen.

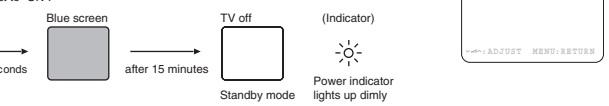
CH ⌵ to select "FEATURE".

◿⌵ to display FEATURE menu.

◿⌵ to select "BLUE BACK" to "ON" or "OFF".

until normal screen appears.

et to "ON".



rks in the Standby mode. Power is automatically turned on five minutes before the preset length set automatically returns to the Standby mode approximately 1 minute if no buttons are or remote control.

lled if ⏻POWER on the TV set is pressed or if the power is otherwise interrupted.

weak signals and too much noise may activate BLUE BACK, despite the presence of a ntinue watching TV under these conditions, switch "BLUE BACK" to "OFF".

he OFF TIMER setting has priority over BLUE BACK.

E11 USEFUL FEATURES

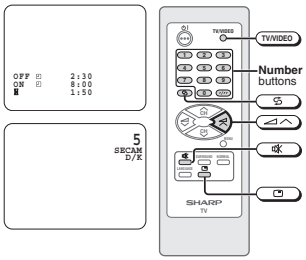
Channel / Timer display

Displays the current channel number, the timer, and other settings on the screen.

❶ Press ⧉.

- The time remaining on the Off timer, On timer, and Reminder appears on the screen.
- When no timer is set, the channel number, colour and sound system appear on the screen.
- Press ⧉ again to clear these current settings display on the screen.

❷ Press ⧉ again, the channel number, colour and sound system appear on the screen.



Mute

Silences the sound.

❶ Press 🔇.

- Press 🔇, "🔇" appears on the screen, and the sound is silenced.

❷ Press 🔇, the volume returns to its previous level.

- Mute will be cancelled if the ◿⌵ is pressed at any time.

Channel recall

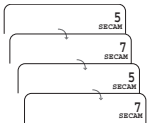
Switches back to the channel you were watching just before the current channel.

Press ⟲.

- The channel previously viewed returns to the screen.

Example:

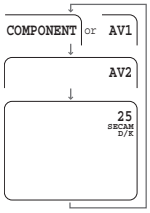
After switching from channel 5 to channel 7, ⟲ is pressed, the channel will change to channel 5. Press ⟲ again to return to channel 7.



TV / Video selection

Switches between TV broadcasts and AV input programmes.

- Each time you press the TV/VIDEO, the input switches between AV1 (or COMPONENT), AV2 and TV programme.



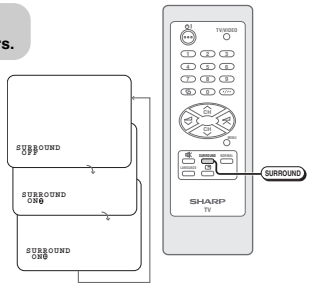
EFUL FEATURES (Continued)

und

surround sound from the TV's speakers.

ss (SURROUND), the mode changes
and OFF.

mal sound.
mode during stereo signal reception
acious sound, making the most of the
ormance.
mode during monaural signal reception
ural sound that is similar to stereophonic

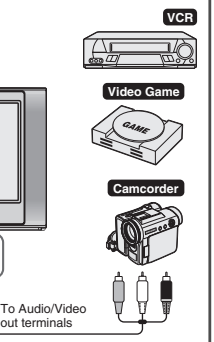


NNECTIONS

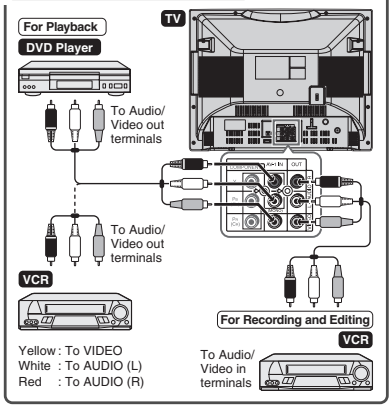
to video equipment

m a video disc player, VCR or other video equipment by connecting them to he Audio/Video in terminals.

ont terminals



Example use of rear terminals



ral audio, connect the external source to the audio input left terminal on the front or rear of the r the same sound from both speakers.
required to connect the TV set with video equipment may differ from those shown in the above ation manual of your video equipment for connection details.
nd editing connections are for intended solely personal use and not for the illegal copying of otected by copyright laws.

E13 TROUBLESHOOTING

The following problems do not always indicate a hardware failure. Therefore, please use the troubleshooting guide below before calling for repair service.
If, after following the guide none of the remedies work, unplug the TV set and call for service.

Quick Service Check List / Problems	Remote control does not work.	Bars on screen.	Picture distorted.	Picture rolls vertically.	No colour.	Poor reception on some channels.	Picture weak.	Picture lines or streaks.	Picture ghosting.	Picture blurred.	Sound OK, picture poor.	Picture OK, sound poor.	No picture or sound.
Possible Causes/Remedies													
Try a new channel to check for possible station trouble.			●	●	●	●	●	●	●	●	●	●	●
TV not plugged in. Outlet power OFF.	●												●
⏻ **POWER** switch of TV not ON.	●												●
Antenna not connected to terminal at the back of the TV set.					●	●	●		●		●		●
If outside antenna is used, check for broken wires.		●	●	●	●	●	●	●	●	●	●		●
Check for local interference.		●		●		●		●	●		●	●	
Turn OFF using the ⏻ **POWER** switch, then turn ON again after a minute.	●												●
Adjust COLOUR control.					●		●				●		
Check batteries in the remote control.	●												
Try fine tuning to correct.			●		●		●			●	●		
Contrast setting in picture mode might be all the way to the minus side. Press the **NORMAL** button on the remote control to correct.											●		●
Increase the volume.												●	●

This unit is equipped with a microprocessor. Its performance could be adversely affected by external electrical noise or interference. If this should happen, unplug the unit and plug it in again after a few minutes.

ECIFICATIONS

	World multi 18 system	
	PAL-I PAL-B/G PAL-D/K	SECAM-B/G SECAM D/K, K1
	NTSC 4.43/5.5 MHz/60 Hz NTSC 4.43/6.0 MHz/60 Hz NTSC 4.43/6.5 MHz/60 Hz NTSC 4.43/5.5 MHz/50 Hz NTSC 4.43/6.0 MHz/50 Hz NTSC 4.43/6.5 MHz/50 Hz SECAM-I (6.0 MHz)	
minals)	SECAM-L (French SECAM) PAL 60 Hz NTSC 3.58 MHz	
layback nals)	PAL 5.5 MHz/60 Hz PAL 6.0 MHz/60 Hz PAL 6.5 MHz/60 Hz	
VHF	E2–E12 ch	
UHF	E21–E69 ch	
VHF	C1–C12 ch, R1–R12 ch	
UHF	C13–C57 ch, R21–R69 ch	
VHF	B–J ch	
UHF	21–69 ch (Hong Kong)	
	S1–S20 ch, S21–S41 ch (Hyper)	
	48.25 MHz – 863.25 MHz	
	100-Channel Electronic Tuner with Full Auto Tuning System	
	21-Inch Flat CRT	
	Audio/video input × 2 (front × 1, rear × 1), DVD input (COMPONENT-IN) × 1 (rear), Audio/video output × 1 (rear), Headphone jack × 1 (front)	
	5 W (RMS) × 2, total 10 W (RMS)	
	AC 220 – 240V, 50/60 Hz	
	101 W	
	605 (W) × 468 (H) × 487.5 (D) mm	
	22.5 kg (Approx.)	

ns are subject to change without notice.
se receiving systems, encompassing all currently available technology, include those with
eotape and laserdisc hardware and software.

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